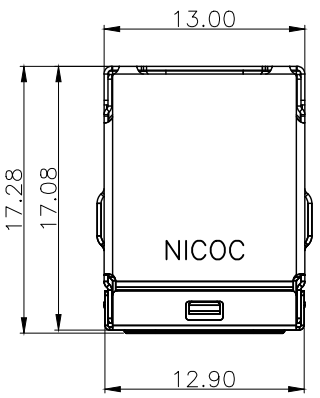
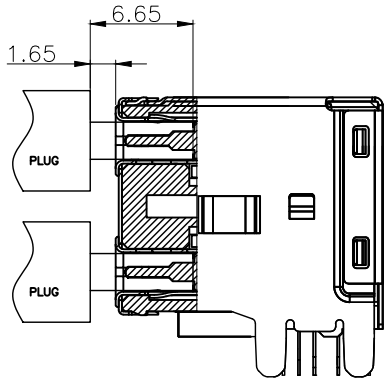
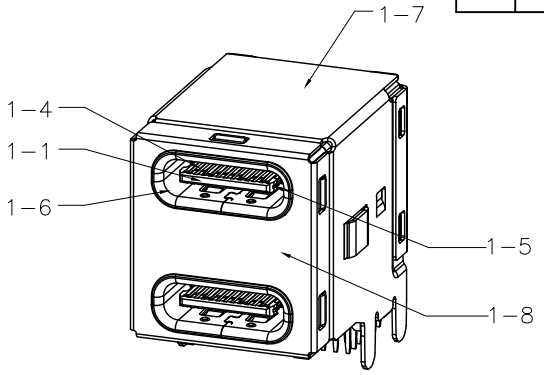
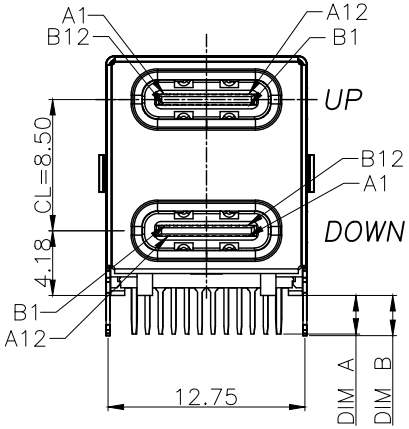
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	ECN NO.	New Drawing	2026.03.18	Arvin

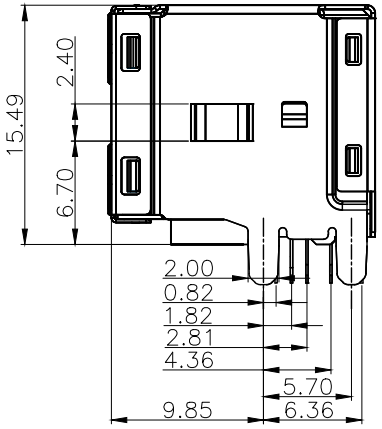


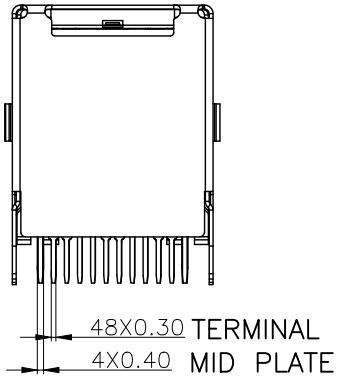


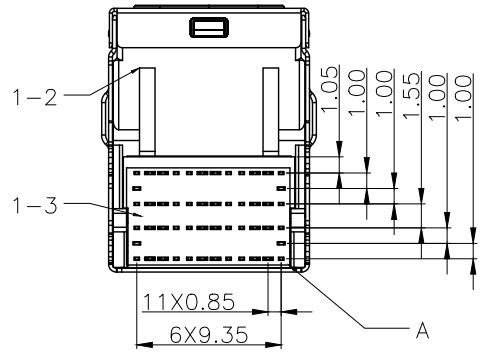
AFTER MATING

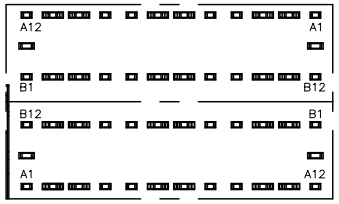












VIEW A

NOTE:

1.MATERIAL SPECIFICATION:
- 1-1.TYPE C HOUSING:PA9T/BLACK,UL94 V-0.
- 1-2.MAIN HOUSING:PA9T/BLACK,UL94 V-0.
- 1-3.SPACER:PA9T/BLACK,UL94 V-0.
- 1-4.TYPE C CONTACTS: COPPER ALLOY(C18150)
- 1-5.MID PLATE: STAINLESS STEEL(SUS301)
- 1-6.TYPE C SHELL: STAINLESS STEEL(SUS304)
- 1-7.TOP SHELL: STAINLESS STEEL(SUS304)
- 1-8.FRONT SHELL: STAINLESS STEEL(SUS304)

2.PLATING SPECIFICATION:
- 2-1.TYPE C CONTACTS:
  Ni 50u" MIN. UNDER PLATED OVER ALL.
  (GOLD PLATING THICKNESS FOLLOW THE P/N)
- 2-2.TOP SHELL:
  Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-3.MID PLATE:
  Ni 30u" MIN. UNDER PLATED OVER ALL.

3.MECHANICAL PERFORMANCE,
- 3-1.INSERTION FORCE: 0.5~2.0kgf.
- 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3.DURABILITY: 10000 CYCLES.

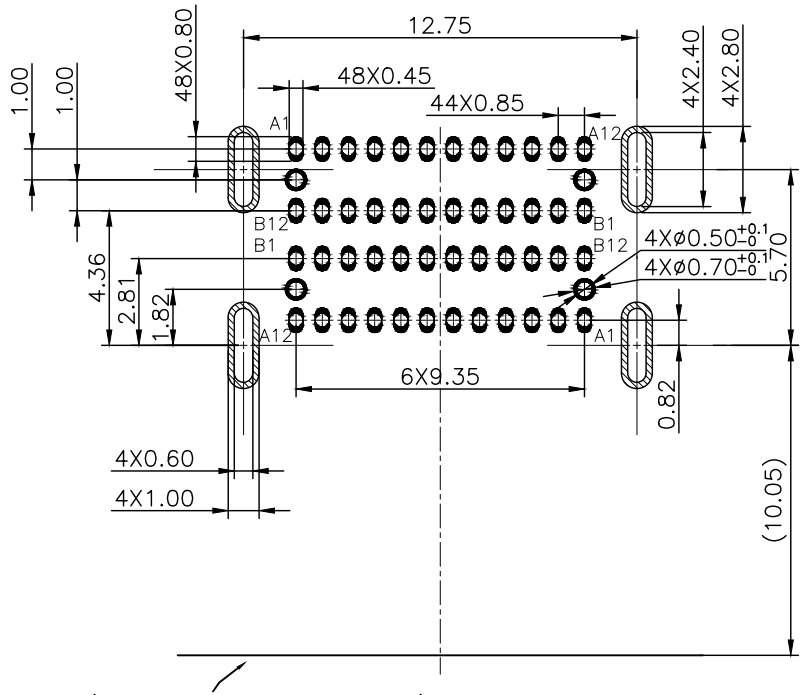
4.ELECTRICAL PERFORMANCE,
- 4-1. CURRENT RATING:5.0A
  VOLTAGE RATING:20.0V
- 4-2. LLCR:
  VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
  LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:
   OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

TOLERANCE MM	NAME(INTENDED USE) CUSTOMER DRAWING	泰立電子有限公司 TACLEX ELECTRONICS CO.,LTD.	
X.X ±0.30	PART NO.	TITLE: USB3.1 TYPE C REC. 24PIN 2X1 Shell straight edge	
.XX ±0.20	SEE P/N		
.XXX±0.10	DESIGN: Arvin	DRAWG NO. C-104085-1	
X.° ±10°	CHED: Arvin	SCALE 1:1	SHEET 1/4
.X° ± 8°	APPD: Aray		REV. 01
.XX°±5°			

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	ECN NO.	New Drawing	2026.03.18	Arvin



USB CF 24PIN RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.6MM;DEFAULT TOLERANCE:±0.05,SCALE 2:1

USB TYPE-C 24 PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	GND
A2	TXp1
A3	TXn1
A4	VBUS
A5	CC1
A6	Dp1
A7	Dn1
A8	SBU1
A9	VBUS
A10	RXn2
A11	RXp2
A12	GND

PIN NUMBER	SIGNAL NAME
B12	GND
B11	RXp1
B10	RXn1
B9	VBUS
B8	SBU2
B7	Dn2
B6	Dp2
B5	CC2
B4	VBUS
B3	TXn2
B2	TXp2
B1	GND

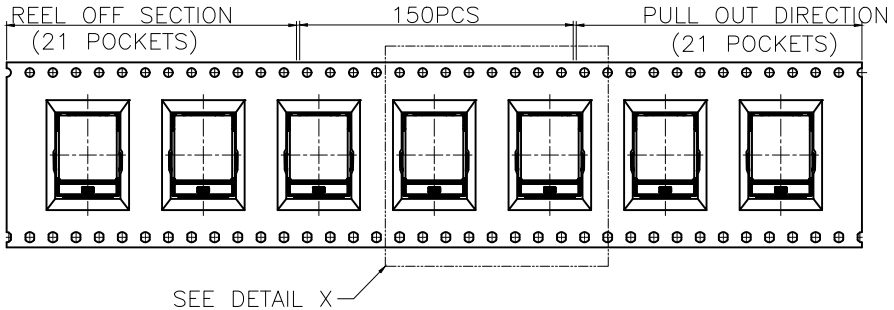
PART NUMBER: TUCF104085 −1 X 1 X X H

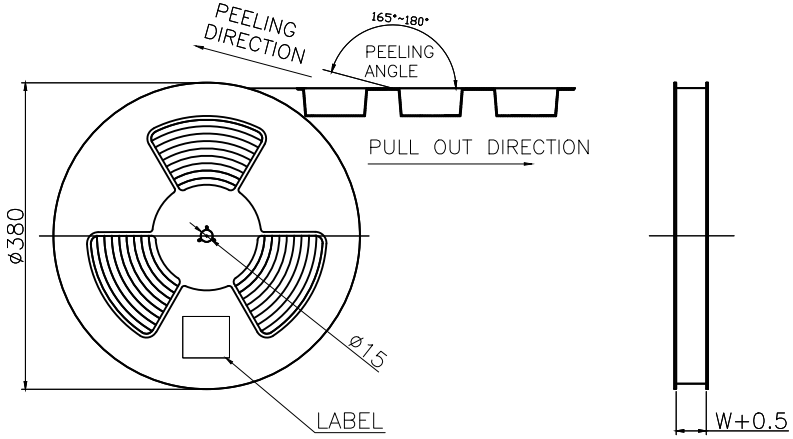
- 1: SHELL STRAIGHT EDGE
- H:HF
- T:TRAY
  R:REEL
- A:Contact area 1u" Au
  Soldering area Tin
  B:Contact area 3u" Au
  Soldering area Tin
  C:Contact area 15u" Au
  Soldering area Tin
  D:Contact area 30u" Au
  Soldering area Tin
- 1:WITH LOGO
  2:WITHOUT LOGO

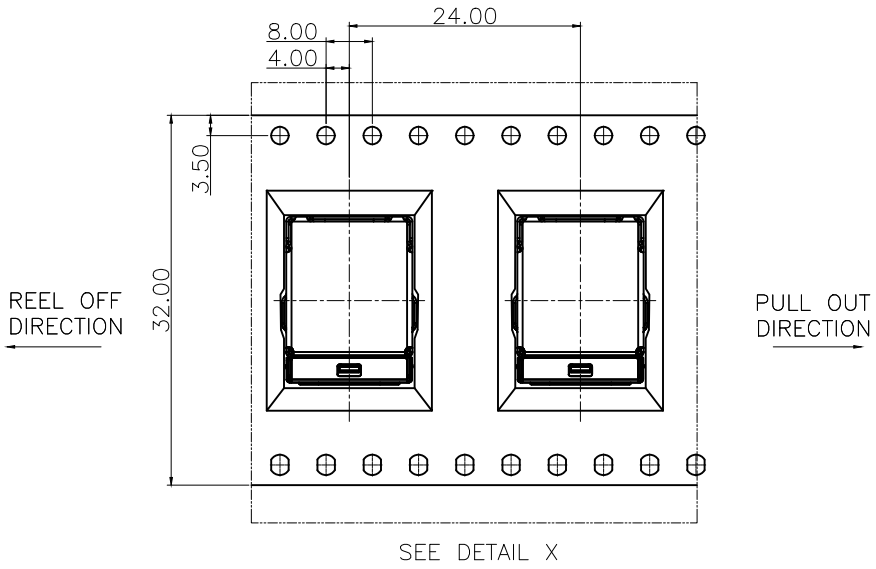
Terminal Leg Type	DIM A	DIM B
1	1.80	2.32
2	2.10	2.32
3	2.50	2.60

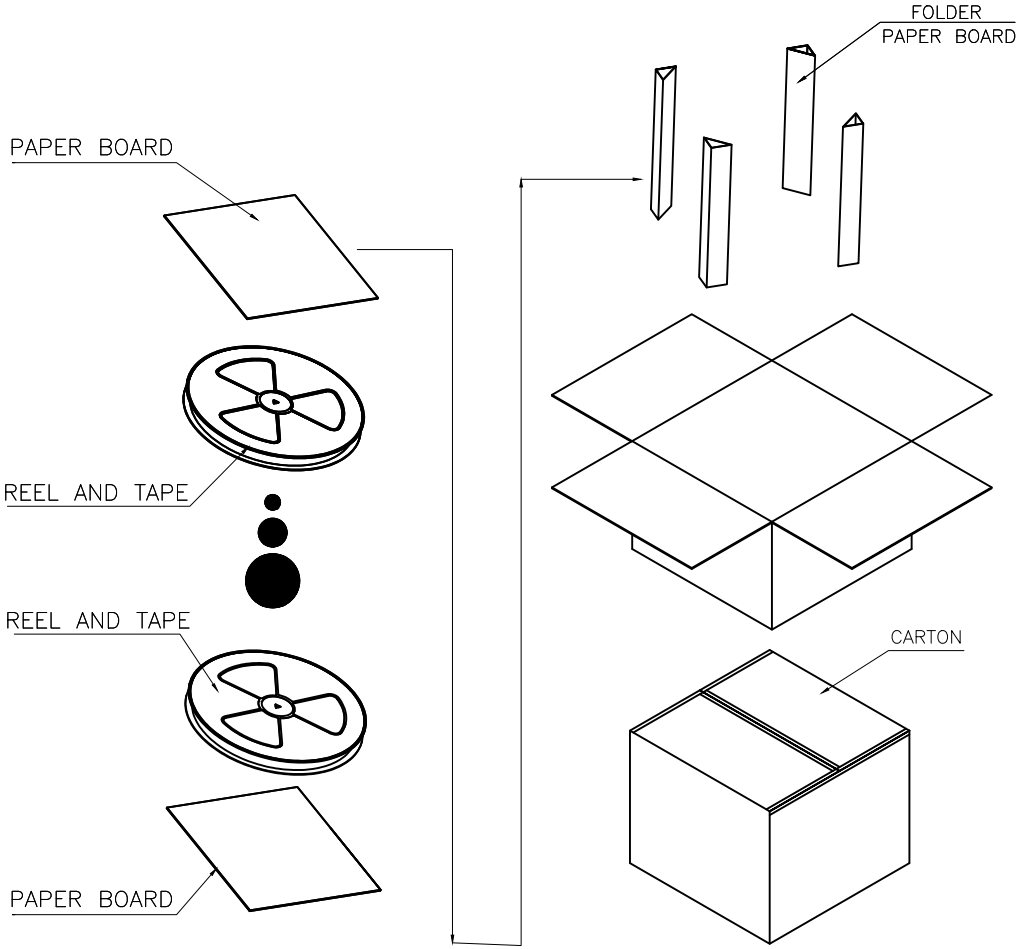
TOLERANCE MM	NAME(INTENDED USE) CUSTOMER DRAWING	泰立電子有限公司 TACLEX ELECTRONICS CO.,LTD.
X.X ±0.30 .XX ±0.20 .XXX±0.10 X.° ±10° .X° ± 8° .XX°±5°	PART NO. SEE P/N DESIGN: Arvin CHED: Arvin APPD: Aray	TITLE: USB3.1 TYPE C REC. 24PIN 2X1 Shell straight edge DRAWG NO. C-104085-1 SCALE 1:1 / SHEET 2/4 / REV. 01

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	ECN NO.	New Drawing	2026.03.18	Arvin









	REEL	CARTON
CONNECTOR (PCS)	150	1200

TOLERANCE MM	NAME(INTENDED USE) CUSTOMER DRAWING	泰立電子有限公司 TACLEX ELECTRONICS CO., LTD.
X.X ±0.30	PART NO.	TITLE: USB3.1 TYPE C REC. 24PIN
.XX ±0.20	SEE P/N	2X1 Shell straight edge
.XXX±0.10	DESIGN: Arvin	DRAWG NO. C-104085-1
X.° ±10°	CHED: Arvin	SCALE 1:1 / SHEET 3/4 / REV. 01
.X° ± 8°	APPD: Aray	
.XX°±5°		

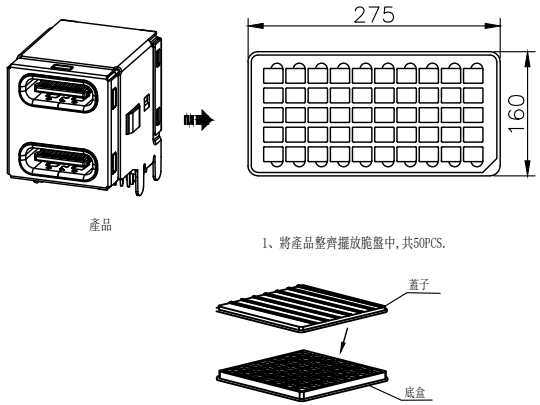
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	ECN NO.	New Drawing	2026.03.18	Arvin

1-1 将USB TYPE C 母 24P 双层90度 的成品整齐的装入真空盒底盒内.

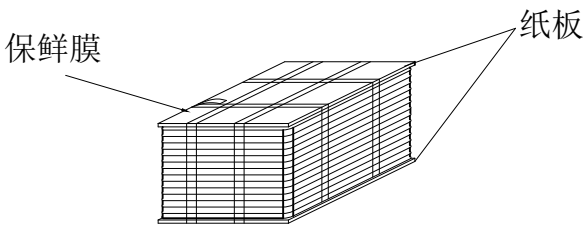
1-2 每盘真空盒上面必须盖一个盖子，以免产品漏失。

1-3 真空盒材质必须是PET环保材料.
每盘装成品50PCS

备注：



2-1 每箱2扎装，每扎共10盘，用 PE膜将托盘两边缠绕；上下各放一块硬纸板.
每箱的数量小计:2*10*50=1000PCS

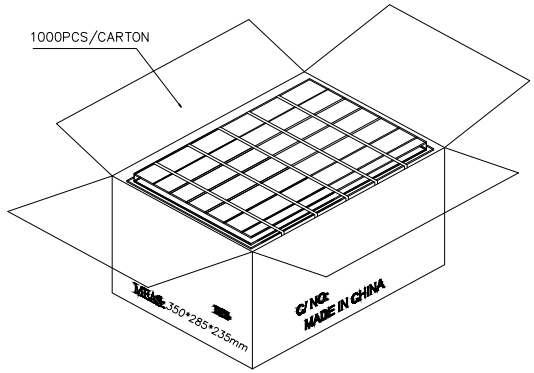


3-1 将1摞成品依次放入纸箱内. 备注:
纸箱规格:350*285*235mm

3-2. 纸箱4个角落用缓冲材料塞好，并盖上与之相配的纸板

3-3. 包装明细：

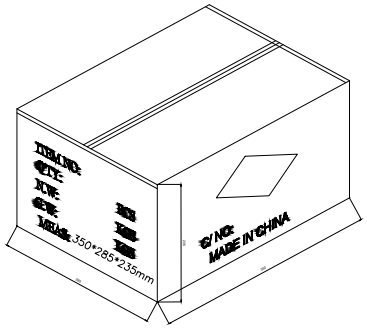
盘/每箱	PCS/每盘	PCS/每箱
20盘/每箱	50PCS/每盘	1000PCS/每箱



4-1 纸箱开口处以透明胶带贴合.

4-2 若有未装满的零数箱,必须以缓冲材塞满.

5-1.外标签贴在外箱侧麦左上角，环保标签贴在外标签右上角。



TOLERANCE MM	NAME(INTENDED USE) CUSTOMER DRAWING	泰立電子有限公司 TACLEX ELECTRONICS CO.,LTD.		
X.X ±0.30	PART NO. SEE P/N	TITLE: USB3.1 TYPE C REC. 24PIN 2X1 Shell straight edge		
.XX ±0.20				
.XXX±0.10	DESIGN: Arvin	DRAWG NO. C-104085-1		
X.° ±10°	CHED: Arvin		SCALE	SHEET / REV.
.X° ± 8°	APPD: Aray		1:1	4/4 / 01
.XX°±5°				